

CHANDLER PHUNG

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SUMMARY

Graduate student pursuing Master's in Computer Science with expected graduation in December 2026. Seeking internship opportunities in artificial intelligence, machine learning, computer vision, or software engineering to apply technical expertise in real-world applications. Experienced in developing full-stack applications and implementing deep learning models with strong foundations in Python, cloud deployment, and modern web technologies.

EDUCATION

University of Alabama at Birmingham

MS, Computer Science

Birmingham, AL

Expected, December 2026

Relevant Coursework: Advanced Data Structures & Applications, Machine Learning, NLP (Natural Language Processing), GPU Programming, Deep Learning, Foundations of Data Science

BA, Computer Science

December, 2024

BS, Kinesiology with a concentration in exercise science

May, 2023

WORK EXPERIENCE

Nail Salon Receptionist | Manager

January 2019 - Present

- Manage daily operations and lead team of 15+ employees, including hiring, training, and performance tracking
- Utilize Clover POS system for scheduling, transactions, inventory, and customer database management
- Drive digital marketing initiatives across Instagram, Facebook, and Google Ads to increase client acquisition
- Resolve customer conflicts and deliver exceptional service, resulting in hundreds of 5-star reviews

TECHNICAL SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C/C++, SQL, HTML/CSS

Machine Learning & AI: PyTorch, Scikit-learn, DeepFace, OpenCV, Computer Vision, FaceNet, YuNet

Data Science: Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebooks, Google Colab

Web Development: Node.js, Express.js, Angular, React, Bootstrap, Flask, FastAPI, RESTful APIs

Databases: MongoDB, PostgreSQL, MySQL, MongoDB Atlas

Cloud & DevOps: AWS (EC2, Route 53, Application Load Balancer, Certificate Manager), OAuth 2.0, PM2, Git, GitHub

TECHNICAL PROJECTS

Alarmify - Spotify Alarm Clock Web Application

<https://www.alarmifyhub.com>

December 2025 – February 2026

- Architected full-stack web application integrating Spotify Web API with OAuth 2.0 authentication to enable users to create alarms that automatically play their selected playlists at scheduled times
- Developed Node.js/Express REST API with JWT authentication middleware, MongoDB database with Mongoose ODM, and automated cron-based scheduler that triggers Spotify playback via Web API
- Deployed production application on AWS EC2 with Application Load Balancer for traffic distribution, Route 53 for custom domain DNS management, and Certificate Manager for SSL/TLS encryption

Real-Time Facial Authentication System

December 2025 – January 2026

- Developed multi-user facial recognition system using Python and OpenCV, integrating DeepFace framework with FaceNet neural network for real-time face detection and identity verification from live webcam feeds
- Engineered temporal authentication logic requiring 3-second identity stability with confidence thresholds (>85% accuracy, <0.20 cosine distance) to prevent false positive authentication
- Optimized performance through adaptive frame processing (analyzing every 5th frame during verification) to balance computational efficiency with real-time authentication accuracy